

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|------------------------------------|---|-------------|--------|
| In re Application of | § | Docket No.: | DBS-38 |
| | § | | |
| P. Defourny and | § | | |
| F. Abbassian | § | | |
| | § | | |
| Serial No.: To Be Assigned | § | | |
| | § | | |
| Filed: Filed Herewith | § | | |
| | § | | |
| Int'l Filing Date: 30 January 1995 | § | | |
| | § | | |
| For: DRILLING BIT ASSEMBLY | § | | |
| AND APPARATUS | § | | |

#81A
5/29/96

PRELIMINARY AMENDMENT

Commissioner of Patents
and Trademarks
Box PCT
Washington, D.C. 20231

Sir:

Please cancel the claims currently in effect for International Application PCT/GB95/00181. Please substitute the following new Claims 1-20.

~~47. A drill bit for suspending in a well bore from a drill string for drilling, coring or removing material from a geological subsurface formation, comprising:~~

a first member for attachment to the drill string;

a second member including at least one drilling member; and

a resiliently deformable connecting member between the first member and the second member for tilting the first member with respect to the second member while transmitting torque and weight from the first member to the second member, the second member being connected by the connecting member to the first member in a free floating relationship thereby allowing the second member to tilt and move laterally with respect to the first member in response to reaction forces experienced during use of the drill bit.

~~48. The drill bit as defined in Claim 1, wherein the first member is a drive shank of the drill bit, and the second member is a drill bit body.~~

~~49. The drill bit as defined in Claim 2, wherein the drill bit body supports at least one drill cutter movably mounted on the drill bit body.~~

00556586 030393

47
48
49
B1

A